

1 What is claimed is:

2 1. A mirror device comprising;

3 a. a first, primary mirror having a first, primary mirror magnification factor,

4 b. an illumination source effective in illuminating an object field in front of a front,
reflecting side of said primary mirror.

5 c. a second, secondary mirror having a second, secondary mirror magnification factor
different from said primary mirror magnification factor,

6 d. means for releasably securing said secondary mirror in front of said primary mirror
at an adjustable position, and

7 e. light conveying means enabling said illumination source to illuminate an object field
in front of a front, reflecting side of said secondary mirror.

8 2. The mirror device of Claim 1 wherein said illumination source is further defined as being
peripherally arranged with respect to said primary mirror.

9 3. The mirror device of Claim 2 wherein said light conveying means enabling said illumination
source to illuminate said object field in front of said secondary mirror is further defined as being
a light transmissive region peripherally located with respect to said secondary mirror.

10 4. The mirror device of Claim 2 wherein said illumination source is further defined as being
generally concentric with and at least partially circumscribing a peripheral edge of said primary
mirror.

11 5. The mirror device of Claim 4 wherein said light conveying means enabling said illumination
source to illuminate said object field in front of said secondary mirror is further defined as being
a light transmissive region peripherally located with respect to said secondary mirror.

12 6. The mirror device of Claim 5 wherein said secondary mirror is further defined as having
a perimeter smaller than that of said primary mirror.

13 7. The mirror device of Claim 6 wherein said light transmissive region is further defined as
being at least partially axially overlying said peripheral illumination source.

14 8. The mirror device of Claim 7 wherein said primary mirror is further defined as being
mounted in a primary mirror frame.

- 1 9. The mirror device of Claim 8 wherein said secondary mirror is further defined as being
2 mounted in a secondary mirror frame.
- 3 10. The mirror device of Claim 9 wherein said light transmission region is further defined as
4 comprising a light transmissive peripheral portion of said secondary mirror frame.
- 5 11. The mirror device of Claim 10 wherein said means for releasably securing said secondary
6 mirror at an adjustable position in front of said primary mirror is further defined as coupling
7 means enabling pivotable relative motion between said primary and secondary mirror frames.
- 8 12. The mirror device of Claim 11 wherein said coupling means is further defined as enabling
9 swivelable relative motion between said primary and secondary mirror frames.
- 10 13. The mirror device of Claim 10 wherein said means for releasably securing said secondary
11 mirror at an adjustable position in front of said primary mirror is further defined as coupling
12 means enabling translational relative motion between said primary and secondary mirror frames.
- 13 14. The mirror device of Claim 13 wherein said coupling means is further defined as enabling
14 rotational relative motion between said primary and secondary mirror frames.
- 15 15. The mirror device of Claim 10 wherein said means for releasably securing said secondary
16 mirror at an adjustable position in front of said primary mirror is further defined as a hinge coupler
17 which is connected between said primary mirror frame and said secondary mirror frame, said
18 hinge coupler having a first joint provided with a pivot axle disposed transversely to a pivot plane
19 in which centers of said primary mirror and said secondary mirror lie, whereby said secondary
20 mirror frame is pivotable from an orientation generally parallel to and overlying said primary
21 mirror, to orientations disposed generally radially outwardly from said primary mirror.
- 22 16. The mirror device of Claim 15 wherein said hinge coupler is further defined as having a
23 second, swivel joint having an axis which lies in said pivot plane, said swivel joint axis being
24 disposed radially with respect to said secondary mirror frame and thereby enabling said reflective
25 side of secondary mirror to be directed towards or opposite that of said primary mirror.